EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8946	707/3,5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:06
L2	2	"6741853".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:16
L3	2	"6463440".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:17
L4	2	"5734907".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:18
L5	2	"6161114".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:19
L6	2	"6233592".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:19
L7	3	"6336124".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 12:21
L8	201	(1 2 3 4 5 6 7) and ((device medium machine portable) same (type) same (characteristic$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:13

EAST Search History

L9	136	8 and (attribute$1 bookmark URL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:14
L10	8	8 and (attribute$1 and bookmark and URL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:14
L11	60	8 and ((device medium media machine portal) with (attribute$1 bookmark URL))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:01
L12	17	11 and (list SAME (categor$3 cluster$3 group$4 sort$3) same ("list of attribute" attribute$1 bookmark$1 URL$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:15
L13	2	"6980986".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:07
L14	244915	((device medium machine portable) same (type) same (characteristic$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:14
L15	244915	((device medium media machine portable) same (type) same (characteristic$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:14
L16	16892	15 and (attribute$1 bookmark URL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:14

EAST Search History

L17	76	15 and (attribute$1 and bookmark and URL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:14
L18	19	17 and (list SAME (categor$3 cluster$3 group$4 sort$3) same ("list of attribute" attribute$1 bookmark$1 URL$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:20
L19	1	18 and brand	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:15
L20	2469	16 and ((attribut$3 same (device media medium machine portal)) and ((identify$3 find$3 match$3 look$3) same ((type brand model serial) and (characteristic$1 "markup language" HTML WML))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:28
L21	39	1 and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:29
L22	34	21 and (communicat$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:29
L23	8	21 and (wireless with communicat$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 13:29

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| Sathyanarayanan Kavacheri and Luu Tran | | Search | Advanced Search
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The **"AND"** operator is unnecessary -- we include all search terms by default. [details]

Web   Results **1 - 2** of **2** for **Sathyanarayanan Kavacheri and Luu Tran**. (**0.28** seconds)

US Pregrant 20040030746 - Hierarchical client detection in a ...
Inventors. **Sathyanarayanan KAVACHERI**. (Sunnyvale, CA US). **Luu TRAN**. (Santa Clara,
CA US). Correspondence. WAGNER, MURABITO & HAO LLP ...
cxp.paterra.com/uspregrant20040030746.html - 13k - Supplemental Result -
Cached - Similar pages

Hierarchical client detection in a wireless portal server - IP ...
Inventor(s):, **Sathyanarayanan Kavacheri**, Sunnyvale, CA (US) **Luu Tran**, Santa Clara, CA
(US). Correspondence Address:, WAGNER, MURABITO & HAO LLP Third Floor ...
www.patentdebate.com/PATAPP/20040030746 - Supplemental Result - Similar pages

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(attribute OR bookmark OR URL) for a device   Search   Advanced Search
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Web   Results 1 - **10** of about **30,100,000** for (<u>attribute</u> OR <u>bookmark</u> OR <u>URL</u>) for a <u>device</u>. (**0.27** seconds)

[printing-discuss] **URL** for IPP **Device** object proposal
[printing-discuss] **URL** for IPP **Device** object proposal ... Thus, the _name_ of the IPP
Device object **attribute** that maps to a given columnar **attribute** ...
lists.freestandards.org/pipermail/printing-discuss/2002-September/000279.html - 10k -
Cached - Similar pages

How do I add a custom **attribute** to a **device**? in Spiceworks Help
To add a custom **attribute** to devices:. Pick a **device** and view its summary; Click the "View
Complete Profile" at the bottom of the page; In the Profile page, ...
help.spiceworks.com/How+do+I+add+a+custom+attribute+to+a+**device**%3F - 4k -
Cached - Similar pages

Tango object naming (**device, attribute** and property)
Tango object naming (**device, attribute** and property)
www.esrf.eu/computing/cs/tango/tango_doc/kernel_doc/ds_prog/node13.html - 13k -
Cached - Similar pages

[Eclipseme-users] "Duplicate **attribute**" when importing **device** ...
DomLSException: duplicate **attribute** (found "version")) occurred reading the **device**
registry. Please consult the error log for more information. ...
www.mail-archive.com/eclipseme-users@lists.sourceforge.net/msg00306.html - 8k -
Cached - Similar pages

> Re: [Eclipseme-users] "Duplicate **attribute**" when importing **device** ...
> Re: [Eclipseme-users] "Duplicate **attribute**" when importing **device** definitions. Jaakko
> Kangasharju Wed, 29 Nov 2006 03:10:51 -0800 ...
> www.mail-archive.com/eclipseme-users@lists.sourceforge.net/msg00307.html - 8k -
> Cached - Similar pages
> [More results from www.mail-archive.com]

ViewSonic: Support: Mobile & Wireless: Pocket PC: Pocket PC V37
search view cart · sign in. region:. North America, - Canada, - United States, Europe, -
Belgium (Flemish), - Belgium (French), - Denmark, - Finland ...
www.viewsonic.com/support/mobilewireless/pocketpc/pocketpcv37/%20 - 49k -
Cached - Similar pages

Device Manager components and features
The enrollment **URL** is stored in the **Device** Manager database. ... The server redirect **URL**
is the **URL** that a **device** is directed to go to in order to actually ...
publib.boulder.ibm.com/infocenter/weahelp/
5.1/topic/com:ibm.websphere.dms.doc/dm/intro_environ.html - 23k - Cached - Similar pages

WURFL
Every **device** has a shared groups **attribute** which is a Python dictionary where the keys
are the capability group names as defined in the WURFL and the values ...
wurfl.sourceforge.net/python/index.php - 25k - Cached - Similar pages

Stylehive - **Bookmark** 73610 "Rare **Device**: DUMPLING BAG": handbag ...
bookmark icon This **bookmark** is "Rare **Device**:..." ... **URL**:
http://www.raredevice.net/detail.php?id=45&cat=3. loading quick copy copy and edit add to

wishlist ...
www.stylehive.com/**bookmark**/73610 - 17k - <u>Cached</u> - <u>Similar pages</u>

<u>System for conveying an **attribute** of a **device** not explicitly ...</u>
Reporting an **attribute** of a **device** via PS/2 protocols to a host executing an industry
standard PS/2 port driver that does not include means to recognize the ...
www.freepatentsonline.com/6772236.html - 66k - <u>Cached</u> - <u>Similar pages</u>

Result Page: 1 <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>   **<u>Next</u>**

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(attribute OR bookmark OR URL) per devices'   [Search]   Advanced Search
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The "AND" operator is unnecessary -- we include all search terms by default. [details]

Web Results **1 - 10** of about **930,000** for (<u>attribute</u> OR <u>bookmark</u> OR <u>URL</u>) <u>per</u> <u>devices'</u> <u>type</u> and <u>characteri</u>

Media Queries
Applies to: visual media **types** Accept min/max prefixes: yes. The "color" media feature
describes the number of bits **per** color component of the output **device ...**
www.w3.org/TR/css3-mediaqueries/ - 40k - <u>Cached</u> - <u>Similar pages</u>

Device Feature Utilization
Essentially this will mean one application **per device type.** ... One possible means of
annotating WML is to use an existing **attribute** and setting it to a ...
www.w3.org/2000/10/DIAWorkshop/farouk.htm - 45k - <u>Cached</u> - <u>Similar pages</u>
[<u>More results from www.w3.org</u>]

chdev Command
The chdev command changes the **characteristics** of the specified **device ...** For example,
entering -a **Attribute**=Value lists one **attribute** value pair **per** flag, ...
publib.boulder.ibm.com/infocenter/pseries/
v5r3/topic/com.ibm.aix.cmds/doc/aixcmds1/chdev.htm - 14k - <u>Cached</u> - <u>Similar pages</u>

lsattr Command
Displays **attribute characteristics** and possible values of attributes for **devices ...** To list
the current **attribute** values for the rmt0 tape **device, type** the ...
publib.boulder.ibm.com/infocenter/pseries/
v5r3/topic/com.ibm.aix.cmds/doc/aixcmds3/lsattr.htm - 29k - <u>Cached</u> - <u>Similar pages</u>
[<u>More results from publib.boulder.ibm.com</u>]

[PDF] An explicit model for tailor-made eCommerce web presentations
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>
In section two, we introduce the **characteristics** of an eCommerce ... constraints and rules
are organized **per device** model and media/modality model. ...
ectrl.itc.it/rpec/RPEC-Papers/12-loeber.pdf - <u>Similar pages</u>

[DOC] Removable Storage **Devices** and Windows Vista Support
File Format: Microsoft Word - <u>View as HTML</u>
Table 3. How Driver Stacks Are Created and Removed, **per Device Type ...** Table 5. Hot
Pluggable **Device Types** and **Characteristics ...**
download.microsoft.com/download/9/c/5/9c5b2167-8017-4bae-9fde-
d599bac8184a/remstorperms.doc - <u>Similar pages</u>

libcw: An Object Oriented C++ library for networking applications
The approach used in libcw is to use a complete new **type** (class) **per device**/protocol
combination. Catching input events is done by overriding the virtual ...
libcw.sourceforge.net/io/traits.html - 23k - <u>Cached</u> - <u>Similar pages</u>

Ingeniux: Transforming Web Content Management
When tailoring content for different **device types** or radically different cobrands, ... **attribute**
specifies the sub string to match in the client **URL.** ...
www.ingeniux.com/x785.xml - 20k - <u>Cached</u> - <u>Similar pages</u>

[PDF] XML encoding techniques for storing XML data on memory limited ...
File Format: PDF/Adobe Acrobat - <u>View as HTML</u>

Our XML data is usually in the 1-10 kbyte range **per device** document. ... Note that this only works within element text, not within **attribute** text. ...
2006.xmlconference.org/proceedings/13/presentation.pdf - <u>Similar pages</u>

<u>UPGRADE: Vol. II, Issue no. 5, October 2001 (Ubiquitous Computing)</u>
We describe the **characteristics** of this Augmented World Model and the ... These networks are heterogeneous due to the variety of **device types** that can be ...
www.upgrade-cepis.org/issues/2001/5/upgrade-vII-5.html - 30k - <u>Cached</u> - <u>Similar pages</u>

Result Page: **1** <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>   **<u>Next</u>**

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identify an attribute selected per device type a| **Search**   Advanced Search
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Web Results **1 - 10** of about **1,280,000** for identify an attribute selected per device type and per characteris

Scholarly articles for identify an attribute selected per device type and per characteristic

Method and apparatus for determining the frequency of ... - Johns - Cited by 30
Retrieval of style sheets from directories based upon ... - Hind - Cited by 18
Working with Objects: The OOram Software Engineering Method - Reenskaug - Cited by 247

Composite Capability/Preference Profiles (CC/PP): Structure and ...
CC/PP **attribute** labels are represented by XML name values (**per XML** ... Set values are
useful for representing certain **types** of **device characteristics**; ...
www.w3.org/TR/CCPP-struct-vocab/ - 185k - Cached - Similar pages

Core Presentation Characteristics: Requirements and Use Cases
clearly **identify** the applicable **attribute** definition in any instance ... desired presentation
colors: e.g. 8-bit color **per** pixel from a palette of 64K ...
www.w3.org/TR/cpc-req/ - 45k - Cached - Similar pages
[More results from www.w3.org]

[PDF] **XML encoding techniques for storing XML data on memory limited ...**
File Format: PDF/Adobe Acrobat - View as HTML
Our XML data is usually in the 1-10 kbyte range **per device** document. ... of #define values
used to **identify** the element and **attribute** encodings, ...
2006.xmlconference.org/proceedings/13/presentation.pdf - Similar pages

[PDF] **The use of training objectives to define specific training device ...**
File Format: PDF/Adobe Acrobat
(GBTS) definition, it is necessary to **identify** the. **types** of ATDs that are needed, ... **per**
class **per device**. By comparing sorties needed ...
ieeexplore.ieee.org/iel2/1069/7207/00290855.pdf?arnumber=290855 - Similar pages

[PDF] **A SIMULATION MODEL TO MEASURE DIRECT ACCESS STORAGE DEVICE
(DASD ...**
File Format: PDF/Adobe Acrobat
measurement data obtained from the **selected** ... requests **per** hour by **device**, the
distribution of ... is a difference in disconnect time by **device type**. ...
ieeexplore.ieee.org/iel3/3912/11342/00522018.pdf?arnumber=522018 - Similar pages
[More results from ieeexplore.ieee.org]

Linux sdparm utility
keep_features_over_reset is a global flag in ATA but **per attribute** in SCSI. ... even though
sdparm can fetch the response to an **IDENTIFY (PACKET) DEVICE** ATA ...
sg.torque.net/sg/sdparm.html - 82k - Cached - Similar pages

Policy Manager Concepts
(Only one default role is allowed **per** port.) Once a role is assigned to a port, ... for the ports
on a **selected device** on the **device's** Port Usage Tab, ...
www.enterasys.com/support/manuals/Pol_Mgr1_8_2-web/docs/p_cf_polman.html - 58k -
Cached - Similar pages

Policy Manager Concepts

(Only one default role is allowed **per** port.) Once a role is assigned to a port, ... in the release notes for minimum and maximum limits **per device type**. ...
www.enterasys.com/support/manuals/Pol_Mgr1_7-web/docs/p_cf_polman.html - 62k -
Cached - Similar pages

EBU Tech 3295
Description: Specifies the bitrate (in bits **per** second) of the used audio ... **Device types** are defined to the level of **identifying** the technology used by ...
www.ebu.ch/metadata/pmeta/v0102/html/P_META9.html - 117k - Cached - Similar pages

Glossary of **Selected** IBM Terms
It includes controls for the number of lines **per** sheet, font selection, print direction, ... a **type** of actual destination that represents a printer **device**. ...
publib.boulder.ibm.com/infocenter/printer/
topic/com.ibm.printers.infoxtwininstuseguide/ipmxtwinmst147.htm - 33k -
Cached - Similar pages

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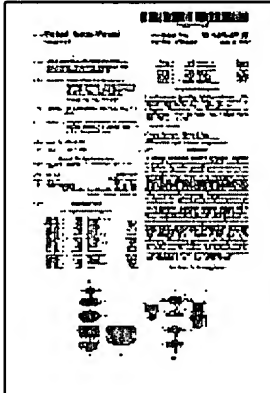
Conversion data representing a document to other formats for manipulation and display Hassan Alam et al

Patent summary

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Abstract

Abstract | Drawing |
Description | Claims

A computer implemented method of converting a document in an input format to a document in a different output format is disclosed. The method generally comprises locating data in the input document, grouping data into one or more intermediate format blocks in an intermediate format document, and converting the intermediate format document to the output format document using the intermediate format blocks. Each intermediate format block may be a paragraph, a line, a word, a table, or an image. The input document may be received over a network and the output document is sent over the network. A linked table of contents and/or an index may be generated. A computer executable program may be generated and inserted into the output document for selecting one output format for display. The output document may be displayed by locating sub-page breaks in the document, subdividing the document into sub-pages using the sub-page breaks, locating blocks within each sub-page, and sequentially...

Patent number: 6336124
Filing date: Jul 7, 1999
Issue date: Jan 1, 2002
Inventors: Hassan Alam, Koichi Ariyoshi, Rachmat

Claims

What is claimed is:

1. A computer implemented method of converting a first document in a first document file format to a second document in a second document file format different from the first document file format, comprising:

> locating first document file format data in the first document;
> grouping said first document file format data into at least one intermediate document file format block in an intermediate document file format document, including locating words in the first document, joining words into lines, and joining lines into paragraphs, each paragraph being one of said intermediate format blocks; locating tables, each table being one of said intermediate format blocks; and converting said intermediate document file format document to the second document in the second document file format using said intermediate document file format blocks.

2. The computer implemented method of claim 1, wherein said grouping comprises:

> locating tags in the first document; and utilizing the tags in locating words, joining words into lines, joining lines into paragraph, and locating tables.

3. The computer implemented method of claim 1, wherein each intermediate format block is selected from the group consisting of a word, a line, a paragraph, a table, and an image.

4. The computer implemented method of claim 1, wherein each of the first format and second format is selected the group consisting of portable document format (PDF), rich text format (RTF), hypertext markup language (HTML), extensible markup language (XML), cascading style sheets (CSS), Netscape Layers, linked and separate pages, Tag Image File Format (TIFF), graphics interchange format (GIF), bit map (BMP), Joint Photographic Experts Group (JPEG), MICROSOFT WORD, WORD PERFECT, AUTOCAD, and POWER POINT.

5. The computer implemented method of claim 1,

Hartono, Timotius Tjahjadi,
Scott Tupaj, Hanyen
Widjaja
Assignee: BCL
Computers, Inc.
Primary Examiner:
Hosain T. Alam
Secondary Examiner:
Jean Bolte Fleurantin
Attorney: Jung-hua Kuo

**Current U.S.
Classification**
707/523; 709/246

**International
Classification**
G06F 1730

Search within this patent

[   ] [Search]

Citations

Patent Number	Title	Issue date
4723209	Flow attribute for text objects	Feb 2, 1988
4734858	Data terminal and system for placing orders	Mar 29, 1988
5107419	Method of assigning retention and deletion criteria to electronic documents stored in an interactive information handling system	Apr 21, 1992
5283887	Automatic document format conversion in an electronic mail system based upon user	Feb 1, 1994

wherein the second format is selected from
hypertext markup language (HTML) and rich text
format (RTF), comprising:

determining coordinates of each intermediate
format block;
generating a second format block for each
intermediate format block;
generating a second format style sheet for each
intermediate format block, coordinates of each
second format style sheet match coordinates of
corresponding intermediate format block;
mapping an intermediate format block font to
second format font to fit second format block
into second format style sheet; and
placing each second format block into
corresponding second format style sheet.

6. The computer implemented method of claim 1,
wherein the second format is an image bitmap
format, comprising:

generating bitmap of the intermediate format
document using intermediate format blocks; and
placing the bitmap into second image
document.

7. The computer implemented method of claim 1,
wherein the first document is received over a
network and the second document is sent over
the network.

8. The computer implemented method of claim 7,
wherein the network is selected from the group
consisting of Internet and an intranet.

9. The computer implemented method of claim 8,
wherein the receiving and the sending is via
electronic mail.

10. The computer implemented method of claim 7,
further comprising

locating headings of the first document;
generating a table of contents page containing
the headings in the second format, each table
of contents heading containing a link to the
heading contained in the document; and
placing the table of contents page into the
second document.

11. The computer implemented method of claim 7,
wherein said converting said intermediate format
document to the second format document is
selected from the group consisting of:

converting to the second format document in

	preference		
5299305	Method for generating forms and for processing and transferring data among the forms	Mar 29, 1994	
5438657	Document processing apparatus for extracting a format from one document and using the extracted format to automatically edit another document	Aug 1, 1995	
5485369	Logistics system for automating tansportation of goods	Jan 16, 1996	
5490242	Document producing device with processing for identical data blocks	Feb 6, 1996	
5566289	Document formatting support system	Oct 15, 1996	
5608874	System and method for automatic data file format translation and transmission having advanced features	Mar 4, 1997	
5708828	System for converting data from input data environment using first format to output data	Jan 13, 1998	

one second format;
converting to the second format document in multiple second formats; and
converting to the multiple second format documents, each in a different second format.

12. The computer implemented method of claim 11, further comprising:

generating a computer executable program for selecting one second format to be displayed; and
inserting the computer executable program into the second document.

13. The computer implemented method of claim 12, wherein the computer executable program is written in a programming language selected from the group consisting of a JAVA, Common Gateway Interface (CGI), Visual Basic, Practical extraction and reporting language (Perl), C, and C.

14. A computer implemented method of converting a first document in a first format to a second document in a different, second format in hypertext markup language (HTML), comprising:

locating data in the first document;
grouping data into at least one intermediate format block in an intermediate format document;
converting said intermediate format document to the second HTML document using said intermediate format blocks;
generating a table of coordinates wherein at least a subset of said coordinates correspond to a coordinate of each intermediate format block; and
placing each intermediate format block on the corresponding coordinate in the table of coordinates.

15. The computer implemented method of claim 7, wherein said generating the table of coordinates comprises:

determining gaps extending across the intermediate format document;
creating a macro table having cells corresponding to portions of the intermediate format document outside of said gaps; and
recursively dividing each cell of the macro table by determining gaps extending across the cell until each cell cannot be further divided.

16. A computer program product for converting a document in a first document file format to a

	environment using second format by executing the associations between their fields	
5732400	System and method for a risk-based purchase of goods	Mar 24, 1998
5778359	System and method for determining and verifying a file record format based upon file characteristics	Jul 7, 1998
5781914	Converting documents, with links to other electronic information, between hardcopy and electronic formats	Jul 14, 1998
5860073	Style sheets for publishing system	Jan 12, 1999
5909492	Network sales system	Jun 1, 1999
5918238	Document processing apparatus which evaluates elements of a document and changes the color/format of elements that satisfy user-defined parameters	Jun 29, 1999
5956033	Document control interface and method for graphical message document	Sep 21, 1999

document in a second document file format different from the first document file format, comprising:

computer code that locates first document file format data in the first document; computer code that groups said first document file format data into at least one intermediate document file format block in an intermediate document file format document, said computer code that groups includes computer code that locates words in the first document, joins words into lines, and joins lines into paragraphs, each paragraph being one of said intermediate format blocks; computer code that locates tables, each table being one of said intermediate format blocks; computer code that converts said intermediate document file format document to the second document in the second document file format using said intermediate document file format blocks; and a computer readable medium that stores the computer codes.

17. The computer program product of claim 16, wherein the computer readable medium is selected from the group consisting of CD-ROM, zip disk, floppy disk, tape, flash memory, system memory, hard drive, and data signal embodied in a carrier wave.

18. A computer implemented method for displaying a document, comprising:

receiving a document for display; automatically locating sub-page breaks in the received document; subdividing the received document into sub-pages using the sub-page breaks; locating blocks within each sub-page; and sequentially displaying at least a portion of each block of the sub-pages within display parameters of a display configuration, including determining if each block can be displayed within display parameters of the display configuration and dividing a block not within display parameters into portions to be within the display parameters of the display configuration, said dividing a block including: determining if the block is a table; if the block is not a table, sequentially displaying each element of the block until all element of the block are displayed; if the block is a table: determining the headings of the table and subset of non-heading columns of the table displayable within the display parameters; display the subset of non-heading columns of

Patent Number	Title	Issue date
5963966	software	
	Automated capture of technical documents for electronic review and distribution	Oct 5, 1999

Referenced by

Patent Number	Title	Issue date
6765997	System and method for the creation and automatic deployment of personalized, dynamic and interactive voice services, with the direct delivery of voice services to networked voice messaging systems	Jul 20, 2004

all rows of the table; and
continue determining a next subset of non-heading columns of the table displayable within the display parameters and displaying those columns of all rows of the table until all rows and all columns of the table have been displayed.

19. The computer implemented method for displaying a document of claim 18, wherein the document is in a markup language format.

20. The computer implemented method for displaying a document of claim 18, further comprising:

locating headings of the document;
generating a table of contents page containing the headings, each table of contents heading containing a link to the heading contained in the document; and
placing the table of contents page into the second document.

21. A computer program product for maintaining a repository of first documents in at least one storage document file format, comprising:

computer code that receives at least one first document, said at least one first document being in at least one first document file format;
computer code that converts the first documents in the at least one first document file format to storage documents in the at least one storage document file format, said storage document file format containing storage format blocks, said computer that converts includes computer code that locates words in the first documents, joins words into lines, joins lines into paragraphs, each paragraph being one of said storage format blocks, and locates tables, each table being one of said intermediate format blocks; and
a computer readable medium that stores the computer codes.

22. The computer program product of claim 21, wherein the computer readable medium is selected from the group consisting of CD-ROM, zip disk, floppy disk, tape, flash memory, system memory, hard drive, and data signal embodied in a carrier wave.

23. The computer program product of claim 21, further comprising computer code that converts the storage documents to a display document.

24. The computer program product of claim 21,

further comprising

computer code that locates keywords in the first documents; and
computer code that generates an index document of the located keywords, the index document containing the keywords, each keyword containing at least one link to the keyword contained in at least one first document.

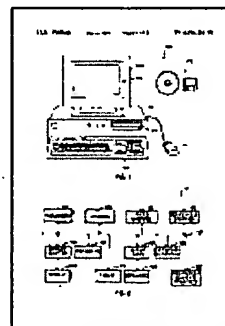25. The computer program product of claim 21, further comprising:

computer code that generates a computer executable program for selecting one second format; and
computer code that inserts the computer executable program into the second document.

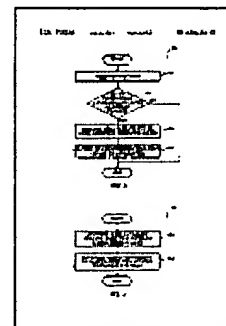26. The computer program product of claim 21, further comprising:

computer code that locates headings of the first documents;
computer code that generates a table of contents page for each first document, the table of contents page containing the headings, each table of contents heading containing a link to the heading contained in the first document; and
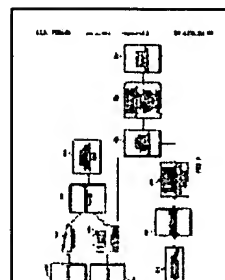computer code that places the table of contents page into the second document.

Drawings

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